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	ΔS		FEBS, Vol. 327, No. 3	, August 199	3, pages 284-288, M. A	Amar, P. Thon I α7 nicotinic	nas C. Johnso receptor expre	n, G.G. L	.unt			

Eur. J. Neurosci., Vol. 6, (month unavailable) 1994, pages 869-875, D. Bertrand, M. Ballivet, M. Gomez, S. Bertrand, B. Phannavong and E.D. Gundelfinger, "Physiological Properties of Neuronal Nicotinic Receptors Reconstituted from the Vertebrate $\mbox{\em R2}$ Subunit and Drosophila $\mbox{\em lpha}$

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		Neurosci. Lett., 1	46, (month unavaila	able) 1992, pages 8	7-90, Daniel Be	rtrand, Sonia	Bertrand			
MOP	AR	and Marc Ballive	t, "Pharmacological	properties of the ho	momeric α/ rec	teptor	and i			
	••	Methods in Neuro	oscience, Vol. 4, (m	onth unavailable) 19 nd M. Ballivet, "Elec	trophysiology of	f Neuronal Nic	cotinic			
MOP	AS	Acetylcholine Re	ceptors Expressed	in Xenopus Oocytes	s following Nucle	ear injection o	of Genes or			
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	AR		H. Le Corronc. F	Grolleau and	D.B. Sa	attelle, "Imidaclor	orid Ac	tions on Ir	nsect Neurona	Acetylc	noline
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	4.0		J. Neuroscience Stephen P. Arne	16, December	r 15, 199 Sullivan	and Daniel Berta	891, t	luman α4(32 Neuronal N	licotinic	iniari,
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•		-	Quarterly Review	s of Biophysic	c 25. (m	onth unavailable	1992 (, pages 39	5-432, Jean-	Pierre Ch	angeux
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 		 	Fur J Pharmacol	309. (n	nonth unav	vailable) 1996, page	s 287-298, J	lulia C. Cooper,	Oliver Gut	brod,				
 	AS	 	Viet Witzemann	hristoph	Methfess	el, "Pharmacology o	f the nicotini	c acetylcholine	receptor fro	om				
MA	70	ļ	fetal rat muscle ex	coressed	in Xenonu	s oocytes"		-						
-		 	Pharmacol Evo	Theran	eut 280 (r	month unavailable) 1	1997, pages	428-438, O. De	elbono,					
 i	ΑT	-	M Gonalakrichna	n M Re	nganathan	280, (month unavailable) 1997, pages 428-438, O. Delbono, athan, L.M. Monteggia, M.L. Messi and J.P. Sullivan, "Activation of								
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AR	,	Anne Devillers-Th	iery Jerome Gi	raudat, Martine Bentabo	ulet and Jean	-Pierre Chang	eux. "Comp	lete
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MOP	İ	receptor: A model	for the transme	mbrane organization of	the polypeption	le chain"		
		Eur. of Neurosci.,	Vol. 10, (month	unavailable) 1998, page	es 879-889, H	elen M. Easth	am,	
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		Fur I Pharmacol	290 (month u	navailable) 1995, pages	237-246, Mur	ali Gopalakris	han,	-
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		Roberts, Stephen	P. Arneric, Dar	iiel Bertrand and James	P. Sullivan, "S	stable express	sion and	
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		J. Neurochem. 73, (m	onth unavailah	ole) 1999, pages 380-	389, Yao Hua	ng, Martin S.	Williamson,
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		Biotechniques 23, Jul	y 1997. Jespe	rsen et al, pages 48,	50 and 52, "Ef	ficient Non-Po	CR-Mediated
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		Nature, Vol. 299	, October 1982, pa	nges 793-797, Masahar	u Noda, Hideo	o Lakahashi, Asai Saiichi	Isutomu
	AS	Tanabe, Mitsuy	osni Toyosato, Yas & Shosaku Numa	suji Furutani, Tadaaki H "Primary stucture of α-s	subunit precur	rsor of <i>Torped</i>	lo californica
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		Nature Vol 301	January 20, 1983	3. pages 251-255. Masa	aharu Noda, ⊦	lideo Takahas	shi Hidaaki
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		Nature, Vol. 302, A	April 7, 1983; p	ages 528-532, Masah	aru Noda, Hid	eo Takanaski,	Hidooki
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Neuron, Vol, 5, July 1990, pages 35-48, Ralf Schoepfer, William G. Conroy, Paul Whiting,

Martin Core and Jon Lindstrom. "Brain α-Bungarotoxin Binding Protein cDNAs and MAbs Reveal Subtypes of This Branch of the Ligand-Gated Ion Channel Gene Superfamily"

J Neurochem. 71, (month unavailable) 1998, pages 853-862 R. Schulz, E. Sawruk, C. Mülhardt,

S. Bertrand, A. Baumann, B. Phannavong, H. Betz, D. Bertrand, E.D. Gundelfinger and B. Schmitt.

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